

Electronic Filing System (EFS) Data
Electronic Patent Application Submission
USPTO Use Only

JC471 U.S. PRO
10/065187
09/25/02

EFS ID: 18254
Application ID: 10065187
Title of Invention: TEST KEY FOR DETECTING
ELECTRICAL ISOLATION BETWEEN
A WORD LINE AND A DEEP
TRENCH CAPACITOR IN DRAM
CELLS
First Named Inventor: Chih-Cheng Liu
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2002-09-25
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: NAUP0472USA
Digital Certificate Holder: cn=Winston Hsu, ou=Registered Attorneys, ou=Patent and
Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
Certificate Message Digest: GKbFeFnt25t1NGiW7gky8A==
Total Fees Authorized: \$780.0

Payment Category: DA -- Deposit Account
Deposit Account Number: 500801
Deposit Account Name: WINSTON HSU

FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 780

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 500801



Deposit Account Name: NORTH AMERICA INTERNATIONAL PATENT OFFICE

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

SUBMITTED BY

Authorized Name: WINSTON HSU

Electronic Signature Mark: VAEB-JMXX-8IIL

Date Signed: 20020925

BASIC FILING FEE

| Fee Description | Fee Code | Fee Paid |
|--------------------|----------|----------|
| Utility Filing Fee | 101 | \$ 740 |

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

| | Fee Code | Fee | Extra Claims | Fee Paid |
|-----------------------|----------|-------|--------------|----------|
| Total Claims: 15 | 103 | \$ 18 | 0 | \$ 0 |
| Independent Claims: 3 | 102 | \$ 84 | 0 | \$ 0 |

Subtotal For Extra Claims Fees: \$ 0

ADDITIONAL FEES

| Fee Description | Number | Quantity | Fee Code | Amount | Fee Paid |
|---|----------|----------|----------|--------|----------|
| Recording Each Patent Assignment Per Property Fee | 00000000 | 1 | 581 | \$ 40 | \$ 40 |

Subtotal For Additional Fees: \$ 40

TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility
Patent Filing

Attorney Docket
Number:

NAUP0472USA

TEST KEY FOR DETECTING ELECTRICAL ISOLATION BETWEEN A WORD LINE AND A DEEP TRENCH CAPACITOR IN DRAM CELLS

First Named Inventor: Chih-Cheng Liu

SUBMITTED BY

Name: Mr. Winston Hsu

Registration Number: 41,526

Electronic Signature Mark: Winston
Hsu Date Signed: 20020925

Name: Mr. Mord Michael Lewis

Registration Number: 50,478

Electronic Signature Mark: Mord
Michael Lewis Date Signed: 20020925

I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent

application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

| | |
|--------------------|------------------|
| declaration | NAUP0472DEC1.TIF |
| declaration | NAUP0472DEC2.TIF |
| specification | NAUP0472.xml |
| patent-assignments | NAUP0472asgn.xml |
| fee-transmittal | NAUP0472fee.xml |
| bibd-transmittal | NAUP0472apds.xml |

Attached Image File(s):

NAUP0472DEC1.TIF
NAUP0472DEC2.TIF

Comments: